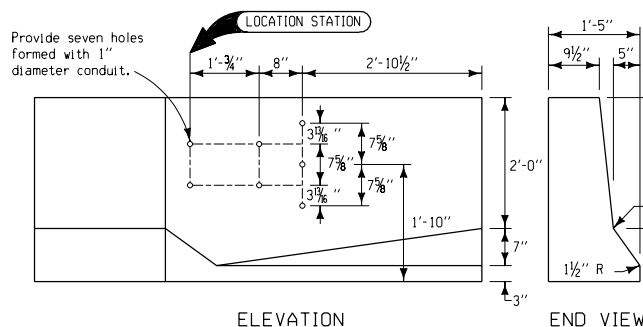
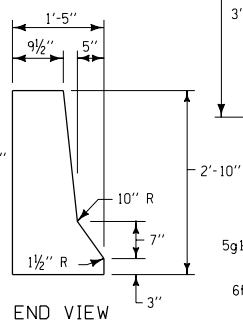


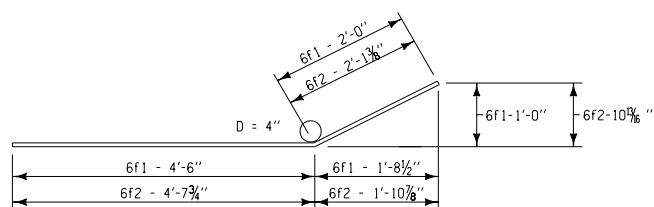
REINFORCING PLAN



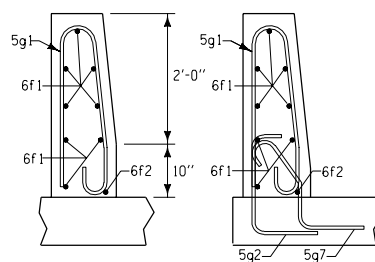
ELEVATION



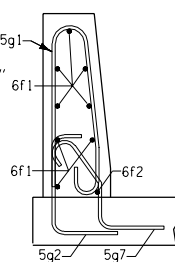
END VIEW



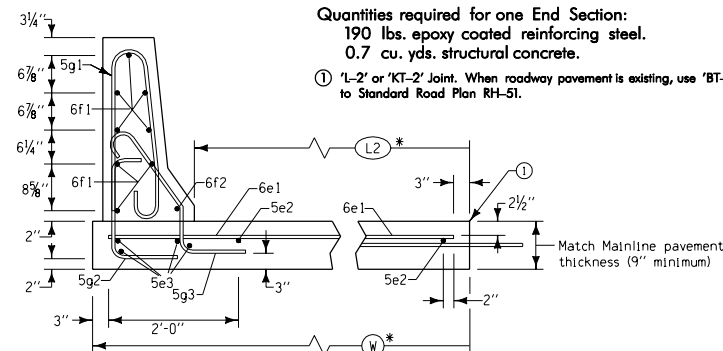
6f1 - 6f2



SECTION A-A



SECTION B-B



SECTION C-C

GENERAL NOTES:

Details shown hereon are for the construction of Reinforced Concrete End Section. The end section shall be cast in place. Details shown are typical. Alternate design details may be submitted to the Engineer for approval.

Materials and methods of construction shall be in accordance with current Standard and Supplemental Specifications.

Barrier shall be constructed as specified in Section 2513 of the current specifications. All exposed corners are to be filleted with a 3/4" dressed and beveled strip. Joints shall be cut in the barrier and shoulder to match transverse joints in the roadway. Refer to Standard Road Plans RH-50 and RH-52.

All reinforcing bars shall be epoxy coated and be grade 60. Minimum clear distance from face of concrete to the nearest reinforcing bar is to be 2". Continuous reinforcing shall be required if constructed in conjunction with an adjoining cast-in-place unit.

The paved shoulder area shall be included in the quantity for concrete pavement, shoulder or median, whichever is applicable. This shall include reinforcement bars 6e1, 5e2, 5e3, 5g2, 5g3, 5g4, 5g5, 5g6, 5g7, and 5g8.

The price bid for "Barrier, Concrete RE-44H" shall be considered full compensation for construction of the end section as detailed hereon, including reinforcing steel bars 5a1, 6f1, and 6f2.









For paved shoulder construction dimensions and quantities, refer to Standard Road Plan RE-44F(2).

Quantities required for one End Section:
190 lbs. epoxy coated reinforcing steel

0.7 cu. yds. structural concrete.

① 'L-2' or 'KT-2' Joint. When roadway pavement is existing, use 'BT-3' Joint. Refer to Standard Road Plan RH-51.

Bar	"X"
5g3	1'-4 $\frac{3}{8}$ "
5g4	1'-2 $\frac{7}{16}$ "
5g5	1'-1"
5g6	11 $\frac{1}{4}$ "
5g7	9 $\frac{7}{16}$ "
5g8	8 $\frac{1}{4}$ "

EPOXY REINFORCING STEEL				
BAR	LOCATION	SHAPE	NO.	LENGTH
6e1	Shoulder Pave. Trans.		7	6'-6 1/2"
5e2	Shoulder Pave. Long.		8	6'-6"
5e3	Shoulder Pave. Long.		4	6'-6"
6f1	Longitudinal		8	6'-6"
6f2	Longitudinal		1	6'-9 1/2"
5g1	Vertical		7	5'-9 1/2"
5g2	Vertical		6	2'-11"
5g3-5g8	Vertical		6	Varies

* For specified shoulder width and reinforcement length and number see Standard Road Plan RE-44F(2).



Iowa Department of Transportation
Project Development Division

STANDARD ROAD PLAN RE-44H

REVISION: Convert from New Jersey shape to F-shape barrier.

REVISION NO.

APPROVED BY: Day C. Chaff 05-24-99
DESIGN METHODS ENGINEER

REVISION DATE

REINFORCED CONCRETE
END SECTION